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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/805,928	03/22/2004	Raymond Elijah Barnett	TI-36636	TI-36636 1045	
7590 03/08/2005			EXAM	INER	
Dan Swayze			NEGRON, DANIELL L		
	nts Incorporated				
P. O. Box 6554	74, M/S 3999	ART UNIT	PAPER NUMBER		
Dallas, TX 75265			2651		

DATE MAILED: 03/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Appl	ication No.	Applicant(s)				
Office Action Summary		10/8	05,928	BARNETT ET AL.				
		Exan	niner	Art Unit				
		Danie	ell L. Negrón	2651				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
THE I - Exter after - If the - If NO - Failu Any I	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNION IN THIS COMMUNION IN THE PROPERTY OF THIS COMMUNION IN THE PROPERTY OF THE PROPERT	CATION. of 37 CFR 1.136(a). In unication. of days, a reply within the tutory period will apply will, by statute, cause the	no event, however, may a reply be ting ne statutory minimum of thirty (30) day and will expire SIX (6) MONTHS from the application to become ABANDONE	nely filed s will be considered time the mailing date of this of (35 U.S.C. § 133).				
Status		,						
1)⊠	Responsive to communication(s) filed on <u>22 March 2004</u> .							
2a) <u></u> ☐	2a) This action is FINAL . 2b) This action is non-final.							
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
5)□ 6)⊠ 7)⊠	Claim(s) 1-19 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) 1-19 is/are rejected. Claim(s) 4 and 10 is/are objected to. Claim(s) are subject to restriction and/or election requirement.							
Applicati	on Papers							
10)⊠	The specification is objected to by the The drawing(s) filed on 22 March 200 Applicant may not request that any object Replacement drawing sheet(s) including The oath or declaration is objected to	4 is/are: a)⊠ a tion to the drawin the correction is r	g(s) be held in abeyance. Sec equired if the drawing(s) is ob	e 37 ĆFR 1.85(a). jected to. See 37 C	FR 1.121(d).			
Priority u	ınder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
Attachmen	t(s)							
2) 🔲 Notic 3) 🔲 Inforr	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PT nation Disclosure Statement(s) (PTO-1449 or F r No(s)/Mail Date		4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate	O-152)			

DETAILED ACTION

Claim Objections

1. Claims 4 and 10 are objected to because of the following informalities:

Regarding claim 4, the recitation "...each of said overshoot amplitudes..." lacks antecedent basis. Examiner considers that in claim 1 from which claim 4 depends, expresses "an overshoot amplitude" in singular form while claim 4 expresses the term in plural form.

Regarding claim 10, the recitation "...said second current..." lacks antecedent basis.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Lacombe U.S. Patent No. 6,496,317.

Regarding claim 1, Lacombe discloses a write current circuit (Fig. 4) for a mass media write head comprising a head write driver circuit adapted to drive the write head with a write current signal having a positive write edge and a negative write edge (e.g. signals WHX and WHY), and a further circuit coupled with the head write driver circuit and adapted to selectively provide pulsing signals which define an overshoot amplitude of the positive write edge and

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negative write edge (i.e. signal transitions) of the write current signal, wherein the further circuit is a differential current source (column 7, lines 10-17).

Regarding claim 3, Lacombe discloses a write current circuit wherein the differential current source is programmable (column 7, lines 59-65 and column 9, lines 40-43).

Regarding claim 4, Lacombe discloses a write current circuit wherein the further circuit is adapted to selectively provide a defined amplitude of each of the overshoot amplitudes (column 9, lines 19-44).

Regarding claim 5, Lacombe discloses a write current circuit wherein the further circuit is programmable for providing differential overshoot amplitudes for the positive write edge and the negative write edge (column 7, lines 59-65 and column 9, lines 40-43).

Regarding claim 6, Lacombe discloses a write current circuit wherein the further circuit includes a delay circuit for selectively providing a defined pulse width (i.e. delay period) for each of the overshoots (column 9, lines 22-25).

Regarding claim 7, Lacombe discloses a write current circuit wherein the delay circuit is programmable for providing differential overshoot pulse widths for the positive write edge and the negative write edge (column 9, lines 52-55).

Regarding claims 8-17, claims 8-17 have limitations similar to those treated in the above rejections of claims 1-7, and are met by the reference as discussed above.

Regarding claims 18 and 19, method claims 18 and 19 are drawn to the method of using the corresponding apparatus claimed in claims 1-9. Therefore method claims 18 and 19 correspond to apparatus claims 1-9 and are rejected for the same reasons of anticipation as used above.

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Prior Art

4. U.S. Patent Application Publication No. 2003/0151839 is cited as of interest for

disclosure of a write driver comprising overshoot control with differential pulse generation.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Daniell L. Negrón whose telephone number is 703-305-6985.

The examiner can normally be reached on Monday-Friday (8:30-6:00) alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, David R. Hudspeth can be reached on 703-308-4825. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

March 1, 2005

DAVID HUDSPETH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY OF THE

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